Α.	CLASSIFICATION OF SUBJECT MATTER						
Int. Cl. 7:	H04R 25/00; A61N 1/05						
According to I	International Patent Classification (IPC) or to both	national classification and IPC					
В.	FIELDS SEARCHED						
Minimum docur	mentation searched (classification system followed by cl	assification symbols)					
Documentation	searched other than minimum documentation to the exte	ent that such documents are included in the fields searc	hed				
Electronic data I WPAT, USP	base consulted during the international search (name of TO, Esp@cenet: cochlea, bionic, implant, elec	data base and, where practicable, search terms used) ctrode, array, basal, anchor, attach, secure an	d similar terms				
<b>c.</b>	DOCUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where app	ropriate, of the relevant passages	Relevant to claim No.				
X	US 6498954B1 (KUZMA et al), 24 Decemb column 5, line 41 to column 6, line 7 and fig		1 - 26				
x	US 6308101B1 (FALTYS et al), 23 October 2001 figure 6  1, 15, 22 and 26 at least						
X	US 6259951B1 (KUZMA et al), 10 July 200 figure 1		1, 15, 22 and 26 at least				
Х	US 6163729A (KUZMA), 19 December 2000  Column 6, line 65 to column 7, line 17 and figure 2  1 - 2						
X Fu	urther documents are listed in the continuation	of Box C X See patent family anno	ex				
"A" documer which is relevanc "E" earlier a	which is not considered to be of particular and not in conflict with the application but cited to understand the principle or theory underlying the invention						
claim(s) publicati reason (i "O" documer exhibitio "P" documer	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means  document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family						
	al completion of the international search	Date of mailing of the international search report - 2 SEP 2003					
	ng address of the ISA/AU	Authorized officer					
PO BOX 200, W	PATENT OFFICE VODEN ACT 2606, AUSTRALIA pct@ipaustralia.gov.au 02) 6285 3929	MANISH RAJ Telephone No: (02) 6283 2175					

	PCI/A00	5/00020
C (Continu:	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Ċategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	WO 00/71063A1 (COHLEAR LIMITED), 30 November 2000 page 6, lines 1-10, figures 7a-7d	1 - 26
x	US 6119044A (KUZMA), 12 September 2000 column 10, lines 32 - 39, figures 3, 4, 15, 16	1 - 26
x	WO 97/26943A1 (ADVANCED BIONICS CORPORATION), 31 July 1997 page 10, lines 10-13, figure 1	1, 15, 22 an 26 at least
X	WO 96/31087A1 (COHLEAR LIMITED), 3 October 1996 page 28, lines 10-31, figures 20, 21	1 - 26
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Box I	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This inte	mational search report has not been established in respect of certain claims under Article 17(2)(a) for the following
1.	Claims Nos:
	because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos:  because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.	Claims Nos:
	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule
	6.4(a)
Box II	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inter	national Searching Authority found multiple inventions in this international application, as follows:
Refer	to the continuation sheet
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.	X No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
	1 - 26 only
Remark e	on Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.



Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

## Continuation of Box No: II

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are *three* (3) different inventions as follows:

- 1. Claims 1-26 are directed to "a implantable electrode array for insertion" including the following features:
  - (i) an elongate carrier having a proximal end and a distal end,
  - (ii) a plurality of electrodes supported by the carrier,
  - (iii) a stabilising or anchoring means extending outwardly from the elongate carrier, and
  - (iv) the collar means having an abutment surface to abut at least a portion of the surface of the cochlea and prevent movement of the carrier following insertion of the array into the cochlea.

It is considered that "stabilising collar means having an abutment surface to prevent movement of the carrier following insertion of the array into the cochlea" comprises a first "special technical feature".

- 2. Claims 27-32 are directed to "an implantable component of a cochlear implant system" including the following features.
  - (i) a housing for a stimulator unit,
  - (ii) a first elongate electrode assembly,
  - (iii) a second elongate electrode assembly, and
  - (iv) wherein only one of the first and second electrode assemblies in insertable into cochlea at any particular time.

It is considered that "only one of the first and the second electrode assemblies is insertable onto the cochlea at any particular time" comprises a second "special technical feature".

- 3. Claims 33-35 are directed to "a method of operating a cochlear implant system" including the following features:
  - (i) a housing for a stimulator unit,
  - (ii) an elongate electrode assembly,
  - (iii) the assembly having a proximal end and a distal end and comprising of a plurality of electrodes,
  - (iv) one or more of the electrodes closer to the proximal end being adapted to provide stimulation to the basilar region of the cochlea,
  - (v) one and more of the electrodes relatively closer to the distal end being adapted to provide stimulation to a location beyond the first basal turn of the cochlea, and
  - (vi) when recipient is unable to hear relatively high frequency sounds only activating those one or more electrodes adapted to provide stimulation to the basilar region of the cochlea.

It is considered that "one or more of the electrodes closer to the proximal end being adapted to provide stimulation to the basilar region of the cochlea and one and more of the electrodes relatively closer to the distal end being adapted to provide stimulation to a location beyond the first basal turn of the cochlea and activating those one or more electrodes" comprises a third "special technical feature".

Since the above mentioned groups of claims do not share any of the technical features identified, a "technical relationship" between the inventions, as defined in PCT rule 13.2 does not exist. Accordingly the international application does not relate to one invention or to a single inventive concept, a priori.

Information on patent family members

International application No.
PCT/AU03/00828

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Pater	nt Document Cited in Search Report			Pate	ent Family Member		•
US	6498954	NONE					
US	6308101	US	6067474	US	6272382	ΑŬ	86804/98
		EP	999874	wo	9906108		
US	6259951	AU	200047129	CA	2370860	EP	1185331
	•	wo	200069512	AU	200048460	CA	2371125
		EP	1185332	US	6309410	wo	200069513
		US	6038484	US ·	6078841	US	6119044
	•	US	6129753	US	6144883	US	6149657
		US	6163729	US	6195586 ·	US	6304787
		US	6321125	US	6397110	AU	64049/99
		CA .	2362478	EP	1159027	wo	200047272
		US	6266568	AU	92074/98	CA	2302667
		EP	1009475	US	6045993	US	6125302
		wo	9911321	US	6070105	ΔU	43168/99
		CA	2324978	EP	1082466	wo	9963118
		US	6228577	AU	200046550	CA	2367195
		EP	1173250	wo	200064529	US	6503704
WO	200071063	AU	40241/99	CA	2374037	EP	1189560
		US	6421569	US	2002029074		
WO	9726943	CA	2243632	US	6112124		
WO	9631087	AU	50964/96	CA	2216703	EP	818123
		US	5545219	US	5645585		
			•				END OF ANNI